

ABSTRACT OF THE DISCLOSURE

Openings are formed at the bottom of an anodizing container. A shower-type current path forming mechanism is arranged at the lower portion of the

5 anodizing container. The mechanism has a pressure vessel. A shower head is arranged at the upper portion of the pressure vessel. A conductive solution in a shower form is injected or discharged from the shower head to form a liquid electrode under the lower surface

10 of a substrate. Accordingly, a current flows between a cathode and an anode to anodize the substrate. The apparatus also has a mechanism which makes a chemical solution overflow from a chemical solution container to form a flow of the chemical solution near the lower

15 surface of the substrate.